

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

1. (Currently Amended) ~~An air-conditioning~~ air-conditioning system, comprising:

a first cooling device₁ ~~combining a heating function comprising a compressor that compresses refrigerant, an outdoor heat exchanger carrying out that exchanges heat-exchange between a the refrigerant and outdoor air, an indoor heat exchanger carrying out that exchanges heat-exchange between the refrigerant and indoor air, a passage control device that alternatively guiding guides the refrigerant compressed in the compressor to one of either to the outdoor heat exchanger or and the indoor heat exchanger according to a driving mode₁ and an expansion device that is provided between the outdoor heat exchanger and the indoor heat exchanger for expanding and that expands the refrigerant~~[[.]];

a second cooling device₂ comprising a blower that forcibly sucking draws in outdoor air and blowing blows the outdoor air into an interior₁ and a humidifying device that is provided at an outlet side of the blower ~~for supplying and that supplies~~ moisture to outdoor air passing through the blower;

a humidity sensor ~~measuring~~ that measures humidity of outdoor air; and

a control unit that is electrically connected to the first cooling device, the second cooling device and the humidity sensor, and that alternatively ~~driving~~

drives one of either the first cooling device or and the second cooling device
according to outdoor air humidity transmitted from the humidity sensor in a
cooling mode,

wherein the first cooling device is operated by using the compressor to
circulate the refrigerant and cool the interior when humidity of outdoor air is
higher than predetermined humidity, and

wherein the second cooling device is operated by drawing in outdoor air
with low relative humidity, increasing the relative humidity through a humidifying
and cooling process, and providing the cooled air into the interior to cool the
interior when humidity of outdoor air is lower than predetermined humidity.

2. (Currently Amended) The air-conditioning system of claim 1, ~~wherein~~
the blower ~~comprises~~ further comprising:

an axial flow fan.

3. (Currently Amended) The air-conditioning system of claim 1, ~~wherein~~
the humidifying device ~~comprises~~ further comprising:

a cooling pad made of well-ventilated material and containing moisture.

4. (Currently Amended) The air-conditioning system of claim 3, ~~wherein~~
the cooling pad of the second cooling device ~~comprises~~ further comprising:

a plurality of holes through which air passes.

5. (Currently Amended) The air-conditioning system of claim 2, ~~wherein~~
the second cooling device further ~~comprises~~ comprising:

a filter that is provided at a side of the humidifying device, ~~for removing~~
and that removes dirt in outdoor air.

6. (Currently Amended) The air-conditioning system of claim 3, ~~wherein~~
the second cooling device further ~~comprises~~ comprising:

a filter that is provided at a side of the humidifying device, ~~for removing~~
and that removes dirt in outdoor air.

7. (Original) The air-conditioning system of claim 6,
wherein the filter is provided between the blower and the cooling pad.

8. (Currently Amended) The air-conditioning system of claim 2, ~~wherein~~
the second cooling device further ~~comprises~~ comprising:

a tank ~~storing~~ that stores refrigerant.

9. (Currently Amended) The air-conditioning system of claim 8, ~~wherein~~
the second cooling device further ~~comprises~~ comprising:

a pump ~~pumping~~ that pumps the refrigerant stored in the tank; and

a sprayer ~~spraying~~ that sprays the pumped refrigerant into the cooling
pad.

10. (Original) The air-conditioning system of claim 8,
wherein the tank is provided to cover a bottom of the cooling pad.

11. (Currently Amended) The air-conditioning system of claim 10,
wherein the second cooling device further ~~comprises~~ comprising:

a pump ~~pumping that pumps~~ refrigerant stored in the tank; and
a sprayer ~~spraying that sprays~~ pumped refrigerant into the cooling pad.

12. (Currently Amended) An air-conditioning system ~~combining a heating~~
~~function~~, comprising:

a first cooling device, ~~combining a heating function~~ comprising a
compressor that compresses refrigerant, an outdoor heat exchanger ~~carrying out~~
that exchanges heat ~~exchange~~ between ~~a the~~ the refrigerant and outdoor air, an
indoor heat exchanger ~~carrying out~~ that exchanges heat ~~exchange~~ between the
refrigerant and indoor air, a passage control device that alternatively ~~guiding~~
guides the refrigerant compressed in the compressor to one of the outdoor heat
exchanger ~~or and~~ the indoor heat exchanger according to a driving mode, and an
expansion device that is provided between the outdoor heat exchanger and the
indoor heat exchanger ~~for expanding and that expands~~ the refrigerant;

a second cooling device, comprising a blower that forcibly ~~sucking~~ draws
in outdoor air and ~~blowing~~ blows the outdoor air into an interior, a cooling pad
that is provided at an outlet side of the blower and that is made of well-ventilated
material containing refrigerant, a tank ~~storing~~ that stores refrigerant, a pump

~~pumping up~~ that pumps refrigerant stored in the tank, a sprayer ~~spraying~~ that sprays the pumped refrigerant into the cooling pad, and a filter that is provided at a side of an outlet of the cooling pad ~~and removing~~ and that removes dirt contained in outdoor air;

a humidity sensor ~~measuring~~ that measures humidity of outdoor air; and

a control unit that is electrically connected to the first cooling device, the second cooling device and the humidity sensor, and that alternatively ~~driving~~ drives one of either the first cooling device ~~or~~ and the second cooling device according to the outdoor air humidity transmitted from the humidity sensor in an air cooling mode,

wherein the first cooling device is operated by using the compressor to circulate the refrigerant and cool the interior when humidity of outdoor air is higher than predetermined humidity, and

wherein the second cooling device is operated by drawing in outdoor air with low relative humidity, increasing the relative humidity through a humidifying and cooling process, and providing the cooled air into the interior to cool the interior when humidity of outdoor air is lower than predetermined humidity.

13. (Original) The air-conditioning system of claim 12,

wherein the filter is provided between the blower and the cooling pad.

14. (Original) The air-conditioning system of claim 12,

wherein the tank is provided to cover the bottom of the cooling pad.

15. (Currently Amended) A ~~driving~~ method of driving an air-conditioning air-conditioning system, comprising: ~~steps of:~~

measuring humidity of outdoor air at a humidity sensor when the power of the ~~air-conditioning~~ air-conditioning system is on;

comparing humidity of outdoor air with predetermined humidity; and

operating a first cooling device ~~circulating a refrigerant~~ by using a compressor to circulate a refrigerant and for cooling cool the interior when humidity of outdoor air is higher than predetermined humidity, and operating a second cooling device ~~sucking by drawing in~~ outdoor air with low relative humidity, increasing the relative humidity through a humidifying and cooling process, and providing the cooled air into the interior ~~for cooling to cool~~ the interior when humidity of outdoor air is lower than predetermined humidity.

16. (Currently Amended) The ~~driving~~ method of driving the air-conditioning system of claim 15, further comprising:

~~a step of~~ operating the second cooling device for a predetermined time to ventilate the interior after operating the first cooling device for a predetermined time ~~in case that~~ when the first cooling device is operated first.

17. (Currently Amended) The ~~driving~~ method of driving the air-conditioning system of claim 16, further comprising: ~~a step of:~~

operating the first cooling device—~~if~~ when a temperature of the interior is higher than a predetermined temperature after operating the second cooling device for a predetermined time, and

stopping the operation of the ~~cooling air-conditioning~~ system—~~if~~ when the temperature of the interior is lower than the predetermined temperature after operating the second cooling device for a predetermined time.

18. (Currently Amended) The ~~driving~~ method of driving the air-conditioning system of claim 15, ~~in case that~~ further comprising, when the second cooling device is operated first; ~~further comprising a step of:~~

operating the first cooling device—~~if~~ when a temperature of the interior is higher than a predetermined temperature after operating the second cooling device for a predetermined time, and

stopping the operation of the second cooling device—~~if~~ when the temperature of the interior is lower than the predetermined temperature after operating the second cooling device for a predetermined time.

19. (Currently Amended) The ~~driving~~ method of driving the air-conditioning system of claim 18, further comprising: ~~a step of~~

operating the second cooling device, before operating the second cooling device for the predetermined time.